PENDING CLAIMS AS AMENDED

Please amend the claims as follows:

1. (Currently Amended) A method of quantizing information about ~~a parameter~~ each of a set of parameters of speech, comprising:

generating a plurality of weighted values of ~~the~~ each parameter for ~~,~~ a plurality of previously processed frames of speech, wherein the sum of all weights used for each parameter is one;

subtracting for each parameter, the plurality of weighted values from a value of the parameter for a currently processed frame of speech to yield a difference value; and

quantizing the difference value.

2. (Cancelled)

3. (Original) The method of claim 1, wherein the speech is voiced speech.

4. (Original) The method of claim 1, wherein the parameter is a pitch lag value.

5. (Original) The method of claim 1, wherein the parameter is an amplitude value.

6. (Original) The method of claim 1, further comprising computing the value of the parameter for the currently processed frame of speech.

7. (Original) The method of claim 6, wherein the computing comprises extracting a pitch period prototype from the currently processed frame of speech and obtaining a frequency-domain representation of the pitch period prototype.

8. (Original) The method of claim 6, wherein the computing comprises calculating a short-term frequency-domain representation of the currently processed frame of speech.

9. (Original) The method of claim 8, further comprising decomposing the short-term frequency-domain representation into an amplitude vector and a phase vector.

10. (Currently Amended) A speech coder configured to quantize information about a each parameter of a set of parameters of speech, comprising:

means for generating a plurality of weighted values of ~~the~~ each parameter for a plurality of previously processed frames of speech, wherein the sum of all weights for each parameter used is one;

means for subtracting a sum of the plurality of weighted values for each parameter from a value of the parameter for a currently processed frame of speech to yield a difference value; and

means for quantizing the difference value.

11. (Currently Amended) An infrastructure element configured to quantize information about a ~~parameter~~ each of a set of parameters of speech, comprising:

a parameter generator configured to generate a plurality of weighted values of ~~the~~ each parameter for a plurality of processed frames of speech, wherein the sum of all weights used for each parameter is one; and

a quantizer coupled to the parameter generator and configured to subtract ~~[the at least one weighted value]~~ a sum of the plurality of weighted values for each parameter from a value of ~~the~~ each parameter for a currently processed frame of speech to yield a difference value, and to quantize the difference value.

12. (Cancelled)

13. (Original) The infrastructure element of claim 11, wherein the speech is voiced speech.

14. (Original) The infrastructure element of claim 11, wherein the parameter is a pitch lag value.

15. (Original) The infrastructure element of claim 11, wherein the parameter is an amplitude value.

16. (Original) The infrastructure element of claim 11, wherein the parameter generator is further configured to compute the value of the parameter for the currently processed frame of speech.

17. (Original) The infrastructure element of claim 16, wherein the parameter generator is further configured to extract a pitch period prototype from the currently processed frame of speech and obtain a frequency-domain representation of the pitch period prototype.

18. (Original) The infrastructure element of claim 16, wherein the parameter generator is further configured to calculate a short-term frequency-domain representation of the currently processed frame of speech.

19. (Original) The infrastructure element of claim 18, wherein the parameter generator is further configured to decompose the short-term frequency-domain representation into an amplitude vector and a phase vector.

20. (Currently Amended) A subscriber unit configured to quantize information about ~~a parameter~~ each of a set of parameters of speech, comprising:

a processor; and

a storage medium coupled to the processor and containing a set of instructions executable by the processor to generate a plurality of weighted values of ~~the~~ each parameter for a plurality of previously processed frames of speech, wherein the sum of all weights for each parameter used is one, and subtract ~~[the at least one weighted value]~~ ~~a~~ the sum of the plurality of weighted values of each parameter

from a value of ~~the~~ each parameter for a currently processed frame of speech to yield a difference value, and to quantize the difference value.

21. (Cancelled)

22. (Original) The subscriber unit of claim 20, wherein the speech is voiced speech.

23. (Original) The subscriber unit of claim 20, wherein the parameter is a pitch lag value.

24. (Original) The subscriber unit of claim 20, wherein the parameter is an amplitude value.

25. (Original) The subscriber unit of claim 20, wherein the set of instructions is further executable by the processor to compute the value of the parameter for the currently processed frame of speech.

26. (Original) The subscriber unit of claim 25, wherein the set of instructions is further executable by the processor to extract a pitch period prototype from the currently processed frame of speech and obtain a frequency-domain representation of the pitch period prototype.

27. (Original) The subscriber unit of claim 25, wherein the set of instructions is further executable by the processor to calculate a short-term frequency-domain representation of the currently processed frame of speech.

28. (Original) The subscriber unit of claim 27, wherein the set of instructions is further executable by the processor to decompose the short-term frequency-domain representation into an amplitude vector and a phase vector.

29-31. (Cancelled)